

WHAT IS CLAIMED IS

1. A work support information extracting program which  
is executed on a computer comprising a data processing  
5 unit, a storage unit containing a staff/organization  
database, and an input-output unit; wherein

the work support information extracting program is  
provided with a work extracting function that stores  
an inputted work database into the storage unit and a  
10 work support flow generating function that generates  
work support flow data from the information in the  
staff/organization database and work database and  
stores the data into the storage unit as well; and

the work support flow generating function is  
15 provided with a function that generates, from the  
workflows in an organizational class stored in the  
work database and class information stored in the  
staff/organization database, the work carrying-out  
condition information applicable to multiple  
20 organizational classes.

2. A work support information extracting program  
which is executed on a computer comprising a data  
processing unit, a storage unit containing a  
25 staff/organization database, and an input-output unit;  
wherein

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the work support information extracting program is provided with a work extracting function that stores an inputted work database into the storage unit and a work support flow generating function that generates  
5 work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit as well; and

the work extracting function is provided with a work item name inputting function that inputs the work  
10 item information corresponding to the organizational class information in the staff/organization database, a work carrying-out unit extracting function that inputs the work carrying-out unit information, a work carrying-out condition extracting function that inputs  
15 the work carrying-out condition information, a function that registers a set of the work item information, work carrying-out unit information and work carrying-out condition information, a class workflow completion condition generating function that  
20 inputs the condition of completing the whole work in the organizational class, and a function that inputs sub-work items subdivided from the work item if the work carrying-out unit corresponding to the work item information is an organization.

25 3. A work support information extracting program which is executed on a computer comprising a data

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processing unit, a storage unit containing a  
staff/organization database, and an input-output unit;  
wherein

the work support information extracting program is  
5 provided with a work extracting function that stores  
an inputted work database into the storage unit and a  
work support flow generating function that generates  
work support flow data from the information in the  
staff/organization database and work database and  
10 stores the data into the storage unit as well;

the work extracting function is provided with a  
work item name inputting function that inputs the work  
item information corresponding to the organizational  
class information in the staff/organization database,  
15 a work carrying-out unit extracting function that  
inputs the work carrying-out unit information, a work  
carrying-out condition extracting function that inputs  
the work carrying-out condition information, a  
function that registers a set of the work item  
20 information, work carrying-out unit information and  
work carrying-out condition information, a class  
workflow completion condition generating function that  
inputs the condition of completing the whole work in  
the organizational class, and a function that inputs  
25 sub-work items subdivided from the work item if the  
work carrying-out unit corresponding to the work item

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information is an organization; and

the work carrying-out unit extracting function is provided with a function that presents, as a candidate for carrying out the work item, the name of the manager of the organizational class corresponding to the work item information, names of subordinates under the manager, and names of organizations under the organizational class.

4. A work support information extracting program which is executed on a computer comprising a data processing unit, a storage unit containing a staff/organization database, and an input-output unit; wherein

the work support information extracting program is provided with a work extracting function that stores an inputted work database into the storage unit and a work support flow generating function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit as well;

the work extracting function is provided with a work item name inputting function that inputs the work item information corresponding to the organizational class information in the staff/organization database, a work carrying-out unit extracting function that

inputs the work carrying-out unit information, a work  
carrying-out condition extracting function that inputs  
the work carrying-out condition information, a  
function that registers a set of the work item  
5 information, work carrying-out unit information and  
work carrying-out condition information, a class  
workflow completion condition generating function that  
inputs the condition of completing the whole work in  
the organizational class, and a function that inputs  
10 sub-work items subdivided from the work item if the  
work carrying-out unit corresponding to the work item  
information is an organization; and

the work carrying-out condition extracting  
function is provided with a function that inputs a  
15 workflow, comprising the carrying-out sequences and  
conditions of a single or multiple pieces of work in  
the organizational class, independently in the  
organizational class.

20 5. A work support information extracting program  
which is executed on a computer comprising a data  
processing unit, a storage unit, and an input-output  
unit; wherein

the computer is equipped with a staff/organization  
25 database;

the work support information extracting program,

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being executed on the computer, realizes a work  
extracting function that stores an inputted work  
database into the storage unit and a work support flow  
generating function that generates work support flow  
5 data from the information in the staff/organization  
database and work database and stores the data into  
the storage unit;

the work extracting function is provided with a  
work item name inputting function that inputs the work  
10 item information corresponding to the organizational  
class information in the staff/organization database,  
a work carrying-out unit extracting function that  
inputs the work carrying-out unit information, a work  
carrying-out condition extracting function that inputs  
15 the work carrying-out condition information, a  
function that registers a set of the work item  
information, work carrying-out unit information and  
work carrying-out condition information, a class  
workflow completion condition generating function that  
20 inputs the condition of completing the whole work in  
the organizational class, and a function that inputs  
sub-work items subdivided from the work item if the  
work carrying-out unit corresponding to the work item  
information is an organization; and

25 the work carrying-out condition extracting  
function is provided with a function that switches a

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means for inputting the work carrying-out condition  
information depending upon whether a workflow  
comprising the carrying-out sequences and conditions  
of a single or multiple pieces of work in the  
5 organizational class contains a branch(es) or not.

6. A work support information extracting program  
which is executed on a computer comprising a data  
processing unit, a storage unit, and an input-output  
10 unit; wherein

the computer is equipped with a staff/organization  
database;

the work support information extracting program,  
being executed on the computer, realizes a work  
15 extracting function that stores an inputted work  
database into the storage unit and a work support flow  
generating function that generates work support flow  
data from the information in the staff/organization  
database and work database and stores the data into  
20 the storage unit;

the staff/organization database contains the  
organization information about the class structure of  
the organization that carries out the work and the  
staff information about the staff who constitutes the  
25 organization and carries out the work;

the work database contains the work item

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information, work carrying-out condition information  
that indicates the sequences and conditions of  
carrying[Claim 6]

out the work, and work carrying-out unit  
5 information that indicates the person(s) or  
organization(s) in charge of carrying out the work,  
and also contains the work carrying-out condition  
information independent for each organizational class;  
and

10 the work support flow data contains the work item  
information, work carrying-out condition information  
and work carrying-out unit information and also  
contains the work carrying-out condition information  
applicable to multiple organizational classes.

15 7. A work support information extracting program  
which is executed on a computer comprising a data  
processing unit, a storage unit containing a  
staff/organization database, and an input-output unit;  
20 wherein

the work support information extracting program is  
provided with a work extracting function that stores  
an inputted work database into the storage unit and a  
work support flow generating function that generates  
25 work support flow data from the information in the  
staff/organization database and work database and



stores the data into the storage unit;

the staff/organization database contains the organization information about the class structure of the organization that carries out the work and the staff information about the staff who constitutes the organization and carries out the work;

the work database contains the work item information, work carrying-out condition information that indicates the sequences and conditions of carrying out the work, and work carrying-out unit information that indicates the person(s) or organization(s) in charge of carrying out the work, and also contains the work carrying-out condition information independent for each organizational class;

the work support flow data contains the work item information, work carrying-out condition information and work carrying-out unit information and also contains the work carrying-out condition information applicable to multiple organizational classes;

the work extracting function is provided with a work item name inputting function that inputs the work item information corresponding to the organizational class information, a work carrying-out unit extracting function that inputs the work carrying-out unit information, a work carrying-out condition extracting function that inputs the work carrying-out condition

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information, a function that registers a set of the  
work item information, work carrying-out unit  
information and work carrying-out condition  
information, a class workflow completion condition  
5 generating function that inputs the condition of  
completing the whole work in the organizational class,  
and a function that inputs sub-work items subdivided  
from the work item if the work carrying-out unit  
corresponding to the work item information is an  
10 organization;

the work carrying-out unit extracting function is  
provided with a function that presents, as a candidate  
for carrying out the work item, the name of the  
manager of the organizational class corresponding to  
15 the work item information, names of subordinates under  
the manager, and names of organizations under the  
organizational class;

the work carrying-out condition extracting  
function is provided with a function that inputs a  
20 workflow, comprising the carrying-out sequences and  
conditions of a single or multiple pieces of work in  
the organizational class, independently in the  
organizational class and a function that switches a  
means for inputting the work carrying-out condition  
25 information depending upon whether the workflow in the  
organizational class contains a branch(es) or not; and

the work support flow generating function is provided with a function that generates, from the workflows in an organizational class stored in the work database and class information stored in the staff/organization database, the work carrying-out condition information applicable to multiple organizational classes.

8. A work support information extracting program which is executed on a computer comprising a data processing unit, a storage unit, and an input-output unit; wherein

the work support information extracting program is provided with a staff/organization DB inputting function that stores an inputted staff/organization database into the storage unit, a work extracting function that stores an inputted work database into the storage unit, and a work support flow generating function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit; and

the work support flow generating function is provided with a function that generates, from the workflows in an organizational class stored in the work database and class information stored in the

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staff/organization database, the work carrying-out condition information applicable to multiple organizational classes.

- 5     9. A work support information extracting program which is executed on a computer comprising a data processing unit, a storage unit, and an input-output unit; wherein

the work support information extracting program is  
10     provided with a staff/organization DB inputting function that stores an inputted staff/organization database into the storage unit, a work extracting function that inputs the work database from the input unit and stores the data into the storage unit, and a  
15     work support flow generating function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit; and

the work extracting function is provided with a  
20     work item name inputting function that inputs the work item information corresponding to the organizational class information in the staff/organization database, a work carrying-out unit extracting function that inputs the work carrying-out unit information, a work  
25     carrying-out condition extracting function that inputs the work carrying-out condition information, a

function that registers a set of the work item information, work carrying-out unit information and work carrying-out condition information, a class workflow completion condition generating function that  
5 inputs the condition of completing the whole work in the organizational class, and a function that inputs sub-work items subdivided from the work item if the work carrying-out unit corresponding to the work item information is an organization.

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10. A work support information extracting program which is executed on a computer comprising a data processing unit, a storage unit, and an input-output unit; wherein

15 the work support information extracting program is provided with a staff/organization DB inputting function that stores an inputted staff/organization database into the storage unit, a work extracting function that stores an inputted work database into  
20 the storage unit, and a work support flow generating function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit;

25 the work extracting function is provided with a work item name inputting function that inputs the work

item information corresponding to the organizational  
class information in the staff/organization database,  
a work carrying-out unit extracting function that  
inputs the work carrying-out unit information, a work  
5 carrying-out condition extracting function that inputs  
the work carrying-out condition information, a  
function that registers a set of the work item  
information, work carrying-out unit information and  
work carrying-out condition information, a class  
10 workflow completion condition generating function that  
inputs the condition of completing the whole work in  
the organizational class, and a function that inputs  
sub-work items subdivided from the work item if the  
work carrying-out unit corresponding to the work item  
15 information is an organization; and

the work carrying-out unit extracting function is  
provided with a function that presents, as a candidate  
for carrying out the work item, the name of the  
manager of the organizational class corresponding to  
20 the work item information, names of subordinates under  
the manager, and names of organizations under the  
organizational class.

11. A work support information extracting program  
25 which is executed on a computer comprising a data  
processing unit, a storage unit, and an input-output

unit; wherein

the work support information extracting program is provided with a staff/organization DB inputting function that stores an inputted staff/organization database into the storage unit, a work extracting function that stores an inputted work database into the storage unit, and a work support flow generating function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit;

the work extracting function is provided with a work item name inputting function that inputs the work item information corresponding to the organizational class information in the staff/organization database, a work carrying-out unit extracting function that inputs the work carrying-out unit information, a work carrying-out condition extracting function that inputs the work carrying-out condition information, a function that registers a set of the work item information, work carrying-out unit information and work carrying-out condition information, a class workflow completion condition generating function that inputs the condition of completing the whole work in the organizational class, and a function that inputs sub-work items subdivided from the work item if the

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work carrying-out unit corresponding to the work item information is an organization; and

the work carrying-out condition extracting function is provided with a function that inputs a workflow, comprising the carrying-out sequences and conditions of a single or multiple pieces of work in the organizational class, independently in the organizational class.

12. A work support information extracting program which is executed on a computer comprising a data processing unit, a storage unit, and an input-output unit; wherein

the work support information extracting program is provided with a staff/organization DB inputting function that stores an inputted staff/organization database into the storage unit, a work extracting function that stores an inputted work database into the storage unit, and a work support flow generating function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit;

the work extracting function is provided with a work item name inputting function that inputs the work item information corresponding to the organizational

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class information in the staff/organization database,  
a work carrying-out unit extracting function that  
inputs the work carrying-out unit information, a work  
carrying-out condition extracting function that inputs  
5 the work carrying-out condition information, a  
function that registers a set of the work item  
information, work carrying-out unit information and  
work carrying-out condition information, a class  
workflow completion condition generating function that  
10 inputs the condition of completing the whole work in  
the organizational class, and a function that inputs  
sub-work items subdivided from the work item if the  
work carrying-out unit corresponding to the work item  
information is an organization; and  
15 the work carrying-out condition extracting  
function is provided with a function that switches a  
means for inputting the work carrying-out condition  
information depending upon whether a workflow  
comprising the carrying-out sequences and conditions  
20 of a single or multiple pieces of work in the  
organizational class contains a branch(es) or not.

13. A work support information extracting program  
which is executed on a computer comprising a data  
25 processing unit, a storage unit, and an input-output  
unit; wherein

the work support information extracting program,  
being executed on the computer, realizes a  
staff/organization DB inputting function that stores  
an inputted staff/organization database into the  
5 storage unit, a work extracting function that stores  
an inputted work database into the storage unit, and a  
work support flow generating function that generates  
work support flow data from the information in the  
staff/organization database and work database and  
10 stores the data into the storage unit;

the staff/organization database contains the  
organization information about the class structure of  
the organization that carries out the work and the  
staff information about the staff who constitutes the  
15 organization and carries out the work;

the work database contains the work item  
information, work carrying-out condition information  
that indicates the sequences and conditions of  
carrying out the work, and work carrying-out unit  
20 information that indicates the person(s) or  
organization(s) in charge of carrying out the work,  
and also contains the work carrying-out condition  
information independent for each organizational class;  
and

25 the work support flow data contains the work item  
information, work carrying-out condition information

and work carrying-out unit information and also contains the work carrying-out condition information applicable to multiple organizational classes.

- 5     14. A work support information extracting program which is executed on a computer comprising a data processing unit, a storage unit, and an input-output unit; wherein

10             the work support information extracting program is provided with a staff/organization DB inputting function that stores an inputted staff/organization database into the storage unit, a work extracting function that stores an inputted work database into the storage unit, and a work support flow generating  
15     function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit;

20             the staff/organization database contains the organization information about the class structure of the organization that carries out the work and the staff information about the staff who constitutes the organization and carries out the work;

25             the work database contains the work item information, work carrying-out condition information that indicates the sequences and conditions of

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carrying out the work, and work carrying-out unit  
information that indicates the person(s) or  
organization(s) in charge of carrying out the work,  
and also contains the work carrying-out condition  
5 information independent for each organizational class;

the work support flow data contains the work item  
information, work carrying-out condition information  
and work carrying-out unit information and also  
contains the work carrying-out condition information  
10 applicable to multiple organizational classes;

the work extracting function is provided with a  
work item name inputting function that inputs the work  
item information corresponding to the organizational  
class information, a work carrying-out unit extracting  
15 function that inputs the work carrying-out unit  
information, a work carrying-out condition extracting  
function that inputs the work carrying-out condition  
information, a function that registers a set of the  
work item information, work carrying-out unit  
20 information and work carrying-out condition  
information, a class workflow completion condition  
generating function that inputs the condition of  
completing the whole work in the organizational class,  
and a function that inputs sub-work items subdivided  
25 from the work item if the work carrying-out unit  
corresponding to the work item information is an

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organization;

the work carrying-out unit extracting function is provided with a function that presents, as a candidate for carrying out the work item, the name of the manager of the organizational class corresponding to the work item information, names of subordinates under the manager, and names of organizations under the organizational class;

the work carrying-out condition extracting function is provided with a function that inputs a workflow, comprising the carrying-out sequences and conditions of a single or multiple pieces of work in the organizational class, independently in the organizational class and a function that switches a means for inputting the work carrying-out condition information depending upon whether the workflow in the organizational class contains a branch(es) or not; and

the work support flow generating function is provided with a function that generates, from the workflows in an organizational class stored in the work database and class information stored in the staff/organization database, the work carrying-out condition information applicable to multiple organizational classes.

15. A work support information extracting system,  
containing a data processing unit, a storage unit, and  
an input-output unit, which is realized by execution  
of the work support information extracting program  
5 according to any one of Claims 1 through 14 on the  
computer.

16. A work support information extracting method which  
is realized by execution of a work support information  
10 extracting program on a computer comprising a data  
processing unit, a storage unit containing a  
staff/organization database, and an input-output unit;  
wherein

a work database inputted from the input unit is  
15 stored in the storage unit;

work support flow data is generated from the  
information in the staff/organization database and  
work database, and stored in the storage unit as well;  
and

20 work carrying-out condition information applicable  
to multiple organizational classes is generated from  
the workflows in the organizational class stored in  
the work database and class information stored in the  
staff/organization database.

17. A work support information extracting method which is realized by execution of a work support information extracting program according to any one of Claims 1 through 14 on a computer; comprising:

5       an individual enterprise data reading process for reading out the staff/organization database, work database and work support flow data from multiple organizations;

10       an enterprise DB inputting process for inputting an enterprise database having the same data structure as the staff/organization database according to Claim 13;

15       an enterprise work extracting process for inputting an enterprise work database having the same data structure as the work database according to Claim 13;

20       an integrated work support flow generating process for generating, from the information in the enterprise database and enterprise work database, the integrated work support flow data having the same data structure as the work support flow data according to Claim 13; and

25       an individual enterprise data distributing process for breaking down the integrated work support flow data by organizations, which are read out in the individual enterprise data reading process, and

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distributing the data to the organizations.

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